Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A method for manufacturing a preparation carrier, in particular suitable for use in chemical and biochemical research, wherein:
- on at least one surface of a carrier base, a layer of plastic is provided,
- wherein the plastic layer is treated thermally and/or chemically, such that the surface roughness of the side of the plastic that faces the carrier ~~bane~~ base is reduced, while it does not adhere to the carrier ~~bass~~base,
- whereupon the plastic is removed from the carrier base, with the released, relatively smooth surface of the plastic forming a carrier surface.

Claim 2 (original): A method according to claim 1, wherein the plastic is provided over the at least one relevant face of the carrier base by melting said plastic at least partially.

Claim 3 (currently amended): A method according to claim 1, wherein as plastic, a monomer or polymer is used having at least one active group for the relevant preparation, in particular a group that can be used for forming an amino group ~~such as a -COOH or a -COO-methyl group~~.

Claim 4 (currently amended): A method according to claim 1, wherein the carrier surface is treated such that the carrier surface comprises at least one active group for the relevant preparation, in particular a group that can be used for forming an amino group such as a ~~--COOH or a --COO-methyl group~~.

Claim 5 (original): A method according to claim 4, wherein the carrier surface is grafted with a plastic, in particular by means of a monomer or polymer, preferably acrylic acid or methyl acrylate.

Claim 6 (currently amended): A method according to claim 4, wherein by introduction of ~~--NH~~-NH_2, groups in, or at least on the carrier surface, the surface roughness thereof is reduced.

Claim 7 (previously presented): A method according to claim 4, wherein at least the plastic layer on at least the carrier surface is brought into contact with a solution of a monomer, whereupon the plastic and the solution are treated such that polymerization of at least a portion of the monomer occurs on the carrier surface, for which purpose, preferably, the plastic together with the solution is exposed to radiation.

Claim 8 (currently amended): A method according to claim 7, wherein the carrier surface is provided with a polymerized adhesive layer of ~~a relatively slight thickness, preferably~~ a thickness of at the most a few atoms ~~or relatively flat chains~~.

Claim 9 (previously presented): A method according to claim 3, wherein the active groups are converted into amino groups by means of linkers.

Claim 10 (previously presented): A method according to claim 3, wherein information-carrying polymers are coupled or synthesized to at least a number of active groups, optionally through the agency of suitable linkers.

Claim 11 (currently amended): A method according to claim 1, wherein a carrier base is used having ~~a particularly low surface roughness of at least the fare to which the plastic is applied, preferably having~~ a surface roughness in the order of magnitude of atomic roughness ~~or slightly thereabove~~.

Claim 12 (currently amended): A method according to claim 11, wherein a ~~base~~ carrier base is used of which at least said face is manufactured from mica or glass or a material which is comparable therewith in respect of surface roughness, hardness and porosity~~, preferably from glass~~.

Claim 13 (currently amended): A method according to claim 1, wherein the carrier surface is formed by or comprises at least one substantially spherical body having a diameter such that in the plastic, on the side facing the carrier base, at least one ~~and preferably a matrix of~~ well~~s~~ is obtained having a volume of less than 3 µl~~, preferably lose than 1 µl and in particular less than 0.1 µl~~.

Claims 14-21 (canceled)

Claim 22 (new): A method according to claim 3 wherein the active group is a -COOH or a -COO-methyl group.

Claim 23 (new): A method according to claim 4 wherein the active group is a -COOH or a -COO-methyl group.

Claim 24 (new): A method according to claim 13, wherein said well has a volume of less than 1 µl.

Claim 25 (new): A method according to claim 13, wherein said well has a volume of less than 0.1 µl.

Claim 26 (new): A method according to claim 13 wherein in the plastic, on the side facing the carrier, a matrix of wells is obtained having a volume of less than 3 µl.

Claim 27 (new): A method according to claim 13 wherein in the plastic, on the side facing the carrier, a matrix of wells is obtained having a volume of less than 1 µl.

Claim 28 (new): A method according to claim 13 wherein in the plastic, on the side facing the carrier, a matrix of wells is obtained having a volume of less than 0.1 µl.

Claim 29 (new): A method according to claim 12 wherein a carrier base is used of which at least said face is manufactured from glass.